

Docket No. AUS9-2000-0398-US1

**CLAIMS:**

What is claimed is:

- 5 1. A method in a data processing system for  
communicating across a firewall with a host, the method  
comprising:  
simulating a browser in the data processing system  
to form a simulation, wherein the browser being simulated  
10 is able to communicate through the firewall; and  
communicating with the host directly using the  
simulation instead of using the browser.
2. The method of claim 1, wherein the simulating and  
15 communicating steps are performed by an applet.
3. The method of claim 1, wherein the applet is a Java  
applet.
- 20 4. The method of claim 1, wherein the communication  
step is performed using hypertext transfer protocol data  
streams.
5. The method of claim 1, wherein the simulating step  
25 includes creating an universal resource locator  
connection with the host.
6. The method of claim 1, wherein the step of  
communicating with the host includes sending a message in  
30 which a multipurpose internet mail extension content-type  
header field is set to specify the type of data in the

Sub  
A-1

09692394-101900

Docket No. AUS9-2000-0398-US1

body of the message.

7. The method of claim 6, wherein the message is used to  
open a universal resource locator connection to a program  
5 on the server.

8. The method of claim 1, wherein the step of  
communicating includes sending a message with a universal  
resource locator identifying a program to receive the  
10 data.

9. A method in an applet on a client data processing  
system for transferring data across a firewall to a host  
data processing system, the method comprising:  
15 opening, by the applet, a universal resource locator  
connection to a host data processing system; and  
transferring data across the firewall directly  
between the applet and the host data processing system  
using the universal resource locator connection.

20 10. The method of claim 9, wherein the opening step is  
performed using a hypertext transfer protocol message.

11. The method of claim 9, wherein the data is received  
25 by a servlet on the host data processing system.

12. The method of claim 9, wherein the applet is a Java  
applet.

30 13. A data processing system comprising:  
a bus system;

09692394-101900

A1

Docket No. AUS9-2000-0398-US1

a communications unit connected to the bus, wherein data is sent and received using the communications unit;

a memory connected to the bus system, wherein a set of instructions are located in the memory; and

5 a processor unit connected to the bus system, wherein the processor unit executes the set of instructions to simulate a browser in the data processing system in which the browser being simulated is able to communicate through the fire wall and communicate with  
10 the host directly instead of using the browser.

14. The data processing system of claim 13, wherein the bus system includes a primary bus and a secondary bus.

15 15. The data processing system of claim 13, wherein the processor unit includes a single processor.

16. The data processing system of claim 13, wherein the processor unit includes a plurality of processors.  
20

17. The data processing system claim 13, wherein the communications unit is an Ethernet adapter.

18. A data processing system for communicating across a  
25 firewall with a host, the data processing system comprising:

simulating means for simulating a browser in the data processing system to form a simulation, wherein the browser being simulated is able to communicate through  
30 the firewall; and

communicating means for communicating with the host

006596-4633960

A1

Docket No. AUS9-2000-0398-US1

directly using the simulation instead of using the browser.

19. The data processing system of claim 18, wherein the  
5 simulating and communicating means are located in an  
applet.

20. The data processing system of claim 18, wherein the applet is a Java applet.

10

21. The data processing system of claim 18, wherein the communication means uses hypertext transfer protocol data streams.

15 22. The data processing system of claim 18, wherein the  
simulating step includes creating an universal resource  
locator connection with the host.

23. The data processing system of claim 18, wherein the  
20 means of communicating with the host includes sending a  
message in which a multipurpose internet mail extension  
content-type header field is set to specify the type of  
data in the body of the message.

25 24. The data processing system of claim 23, wherein the  
message is used to open a universal resource locator  
connection to a program on the server.

25. The data processing system of claim 18, wherein the  
30 means of communicating includes sending a message with a  
universal resource locator identifying a program to

00051014500  
"46594"  
X-006960

Docket No. AUS9-2000-0398-US1

receive the data.

26. A data processing system in an applet on a client data processing system for transferring data across a  
5 firewall to a host data processing system, the data processing system comprising:

opening means for opening, by the applet, a universal resource locator connection to a host data processing system; and

- 10 transferring means for transferring data across the firewall directly between the applet and the host data processing system using the universal resource locator connection.

27. The data processing system of claim 26, wherein the opening step is performed using a hypertext transfer protocol message.

28. The data processing system of claim 26, wherein the  
20 data is received by a servlet on the host data processing system.

29. The data processing system of claim 26, wherein the applet is a Java applet.

- 25 30. A computer program product in a computer readable medium for use in a data processing system for communicating across a firewall with a host, the computer program product comprising:

- 30 first instructions for simulating a browser in the data processing system to form a simulation, wherein the

09692394-101900

Docket No. AUS9-2000-0398-US1

browser being simulated is able to communicate through the firewall; and

5 second instructions for communicating with the host directly using the simulation instead of using the browser.

31. A computer program product in a computer readable medium for use in an applet on a client data processing system for transferring data across a firewall to a host data processing system, the computer program product comprising:

10 first instructions for opening, by the applet, a universal resource locator connection to a host data processing system; and

15 second instructions for transferring data across the firewall directly between the applet and the host data processing system using the universal resource locator connection.

00692394-101500